

*Abstract of the Disclosure*

A system and method that controls evaporative emissions of a volatile fuel. The system includes a fuel tank with a refueling tube, and includes a fuel tank isolation valve. The fuel tank isolation valve includes a housing, a diaphragm, and an actuator. The housing includes a first port, which is in fuel vapor communication with the fuel tank, and a second port. The diaphragm is movable with respect to the housing between first and second configurations. The first configuration substantially prevents fuel vapor flow between the first and second ports, and the second configuration permits fuel vapor flow between the first and second ports. And the actuator, which is in fluid communication with the refueling tube, acts on the diaphragm.